

# ELECTRONIC TECHNICIAN

## MILWAUKEE POLICE DEPARTMENT

**PURPOSE:** The Electronic Technician is responsible for the installation, maintenance, and repair of all radio communications equipment utilized by the Milwaukee Police Department and other city departments. Radio communications equipment includes mobile devices such as portable radios, electronic sirens, navigation radar, etc., and fixed-site equipment including, but not limited to, microwave relay systems, dispatch consoles, and paging terminals.

### ESSENTIAL FUNCTIONS:

- ◆ Installing, maintaining, and repairing mobile radio communications equipment including, but not limited to, portable radios, marine radio and navigation radar equipment, electronic sirens, speed measuring radar, and pagers
- ◆ Installing, maintaining, and repairing fixed-site radio communication equipment including, but not limited to, base stations, voting receiver systems, microwave relay systems, dispatch consoles, and paging consoles
- ◆ Maintaining all aforementioned equipment above and others not mentioned here to Federal Communications Commission (FCC) rules and standards
- ◆ Developing, constructing, and installing specialized electronic systems when needed
- ◆ Maintaining all communications facilities to be clean and orderly
- ◆ Picking up and delivering job-related equipment using city vehicles
- ◆ Performing other job-related responsibilities as required

### MINIMUM REQUIREMENTS:

1. An Associate's Degree in Electronic Technology **AND** one year of full-time experience servicing radio equipment or performing tasks closely related to the essential functions above **OR** three years of full-time experience servicing radio equipment or performing tasks closely related to the essential functions above.  
**Note:** Aforementioned experience requirement must have been obtained within the last five years of this position being announced.
2. Valid driver's license at time of appointment and throughout employment.
3. Candidates must obtain an FCC First Class, Second Class, or General Class Radio Telephone Operator's license (or an industry equivalent license) prior to completion of the probation period.
4. Residency in the City of Milwaukee within six months of appointment and throughout employment.

*Equivalent combinations of experience and/or training may also be considered.*

### DESIRABLE QUALIFICATIONS

- Experience with Surface Mount Technology (SMT)
- Ship radar endorsement

### KNOWLEDGE, SKILLS, & ABILITIES REQUIRED:

- Knowledge and understanding of electronics communication theory
- Ability to diagnose and resolve technical problems occurring on portable radio equipment
- Ability to diagnose and resolve technical problems occurring on fixed radio equipment
- Ability to use technical equipment used in the diagnosis and resolution of electrical equipment failure
- Soldering skills
- Knowledge and understanding of Federal Communications Commission (FCC) rules and standards
- Ability to read schematics, blueprints, wiring diagrams and other job-related documentation
- Skill in job-related math and mathematical computations
- Computer skills
- Analytical skills
- Organizational skills
- Written communication skills
- Interpersonal skills
- Ability to recognize the specific colors and color codes associated with electrical wiring
- Ability to work on ladders and in confined spaces
- Ability to lift objects weighing up to 60 lbs.

**CURRENT PAY RANGE (290) IS:** \$46,325 - \$58,682 annually.